

ABSTRACT

[Problems to be Solved] An objective of the present invention is to provide methods and kits for identifying the function of a functionally unknown gene product, and methods and kits for identifying a binding substance, which are widely applicable to numerous organism species.

[Means to Solve the Problems] At least one gene product is added to a compound cocktail such as a metabolic compound cocktail containing all of the metabolic substances, coenzymes, and such involved in a certain metabolic system, the mixture is reacted, and then a change occurred in the compound cocktail is detected, thereby making it possible to identify the function of the gene product or a substance that binds thereto.